

MATHS MEDIUM TERM PLAN

Year 3 Term 1

Mental & Oral Starter Objectives

Number, Place Value and Rounding

- Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.
- Compare and order numbers up to 1000.

Addition & Subtraction

- Add and subtract numbers mentally, including:
 - a three-digit number and ones.
 - a three-digit number and tens.
 - a three-digit number and hundreds.

Multiplication & Division

- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

Fractions

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing one-digit numbers or quantities by 10.

Measures

- Know the number of seconds in a minute and the number of days in each month, year and leap year.
- Compare durations

<u>Week 1 & 2</u>	<u>Week 3 & 4</u>	<u>Week 5 & 6</u>	<u>Week 7 & 8</u>	<u>Week 9</u>	<u>Week 10</u>	<u>Week 11</u>	<u>Week 12 & 13</u>	<u>Week 14</u>
Learning to Learn Fortnight	1.Number, Place Value and Rounding	2.Addition & Subtraction	3.Multiplication & Division	4.Fractions	5.Properties of shapes	6.Position, direction & movement	7.Measures	8.Statistics
	<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. Compare and order numbers up to 1000. Recognise the place value of each digit in a three-digit number. (hundreds, tens, ones) Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and in words. Solve number problems and practical problems involving these ideas. 	<ul style="list-style-type: none"> Add and subtract numbers mentally, including: <ul style="list-style-type: none"> a three-digit number and ones. a three-digit number and tens. a three-digit number and hundreds. Add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction. Estimate the answer to a calculation and use inverse operations to check answers. Solve problems including missing number problems, using number facts, place value, 	<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers time one-digit numbers, using mental and progressing to formal written methods. Solve problems, including missing number problems, Involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. 	<ul style="list-style-type: none"> Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing one-digit numbers or quantities by 10. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Recognise and use fractions as numbers: unit fractions and non-unit fraction with small denominators. Recognise and show, using diagrams, equivalent fractions with small denominators. Add and subtract fractions with the same denominator within one whole. 	<ul style="list-style-type: none"> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them. Recognise angles as a property of shape or a description of a turn. Identify right angles, recognise that two right angles make a half-turn, three quarters of a turn and four a complete turn; identify whether angles are greater than or less 	<ul style="list-style-type: none"> Recognise angles as a property of shape and as an amount of rotation. Identify right angles, recognise that 2 right angles make a half turn and 4 make a whole turn. Identify angles that are greater than a right angle (This section is not statutory as it is included within the properties of shape.) 	<ul style="list-style-type: none"> Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events. Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Measure the perimeter of simple 2-D shapes. Add and subtract amounts of money to give change. (£ and p) Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. Estimate and read time with increasing accuracy to the nearest minute; record and compare time 	<ul style="list-style-type: none"> Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

		and more complex addition and subtraction.		<ul style="list-style-type: none">• Compare and order unit fractions, and fractions with the same denominators.• Solve problems involving fractions.	than a right angle. <ul style="list-style-type: none">• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.		in terms of seconds, minutes and hours; use appropriate vocabulary.	
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